

CLAIMS

What is claimed is:

1. A table saw guard assembly for guarding a blade on a table saw, said guard assembly comprising:
a support structure; and
a hood assembly mounted to said support structure including a first side curtain and a second side curtain, wherein each of said first and second side curtains are independently movable relative to said support structure.
2. The guard assembly of claim 1, wherein said support structure includes a riving knife.
3. The guard assembly of claim 1, wherein said hood assembly further includes a quick-release mechanism for selectively engaging said support structure.
4. The guard assembly of claim 3, wherein said quick-release mechanism includes a fixed tab and a push tab pivotally connected to a pivot pin, wherein said push tab includes a lock pin and said support structure includes an aperture for receiving said lock pin.
5. The guard assembly of claim 1, wherein said hood assembly further includes a locking mechanism adapted to selectively engage and secure said at least one of said first and second side curtains.

6. The guard assembly of claim 5, wherein said locking assembly includes a screw and a wing nut.

7. The guard assembly of claim 1, wherein said first and second side curtains independently move in response to a force applied by a workpiece.

8. The guard assembly of claim 5, wherein said first and second side curtains are moveable in accordance with said engagement of said locking mechanism.

9. The guard assembly of claim 1, wherein said first and second side curtains include an aperture for providing a sight line therethrough.

10. The guard assembly of claim 1, wherein said first side curtain includes a first coupler, and said second curtain includes a second coupler adapted to engage said first coupler thereby connecting said first and second side curtains.

11. The guard assembly of claim 10, wherein said first coupler includes a female snap-fit connector and said second coupler includes a male snap-fit connector adapted to selectively interconnect with the first coupler providing for codependent movement of said first and second side curtains.

12. The guard assembly of claim 1, wherein each of said first and second side curtains are independently removable from said hood assembly.

13. A table saw guard assembly for guarding a blade on a table saw, said guard assembly comprising:

a support structure; and

a hood assembly connected to said support structure including a first side curtain and a second side curtain, wherein each of said first and second side curtains are independently removable from said hood assembly.

14. The guard assembly of claim 13, wherein said support structure includes a riving knife.

15. The guard assembly of claim 13, wherein said hood assembly further includes a first quick release mechanism for selectively removing said first and second side curtains from said hood assembly.

16. The guard assembly of claim 15, wherein said first quick release mechanism includes a spring biased pull pin.

17. The guard assembly of claim 16, wherein said hood assembly includes a second quick release mechanism for selectively removing said hood assembly from said support structure.

18. The guard assembly of claim 17, wherein said second quick release mechanism includes a fixed tab and a push tab pivotally connected to a pivot pin, wherein said push tab includes a lock pin and said support structure includes an aperture for receiving said lock pin.

19. The guard assembly of claim 17, wherein said second quick release mechanism includes a lock member and a spring biased hinge for biasing said lock member against said support structure.

20. The guard assembly of claim 13, wherein each of said first and second side curtains are independently moveable relative to said support structure.

21. The guard assembly of claim 13, wherein said hood assembly further includes a top curtain.

22. A table saw guard assembly for guarding a blade on a table saw, said guard assembly comprising:

a support structure;

a hood assembly connected to said support structure including a mounting member, a first side curtain and a second side curtain;

said first and second side curtains each being independently connected to said mounting member;

a first locking assembly for independently and selectively removing each of said first and second side curtains from said mounting member; and

a second locking assembly for selectively removing said mounting member from said support structure.

23. The guard assembly of claim 22, wherein said support structure includes a riving knife.

24. The guard assembly of claim 22, wherein said first locking assembly includes a first quick release mechanism.

25. The guard assembly of claim 22, wherein said second locking assembly includes a second quick release mechanism.

26. The guard assembly of claim 22, wherein said mounting member includes a top curtain.

27. The guard assembly of claim 22, wherein said hood assembly includes a first link member connecting said first side curtain to said mounting member and a second link member connecting said second side curtain to said mounting member.

28. The guard assembly of claim 22, wherein said first and second side curtains include an aperture for providing a sight line therethrough.

29. The guard assembly of claim 22, wherein said mounting member includes an aperture for providing a sight line therethrough.

30. A table saw guard assembly for guarding a blade on a table saw, said guard assembly comprising:

a support structure;

a hood assembly mounted to said support structure having a top curtain disposed above the blade and a front curtain disposed forward the blade in selective engagement with said top curtain, wherein said front curtain is moveable relative to said top curtain; and

a first quick release mechanism adapted to selectively secure said front curtain to said top curtain.

31. The guard assembly of claim 30, wherein said support structure includes a riving knife.

32. The guard assembly of claim 30, wherein said hood assembly further comprises a second quick release mechanism for attaching said hood assembly to said support structure.

33. The guard assembly of claim 30, wherein said second quick release mechanism includes a fixed tab and a push tab pivotally connected to a pivot pin, wherein said push tab includes a lock pin and said support structure includes an aperture for receiving said lock pin.

34. The guard assembly of claim 30, wherein said first quick release mechanism includes a threaded shaft adapted to be received in a threaded aperture in said top curtain.

35. The guard assembly of claim 30, wherein said top curtain includes an aperture for providing a sight line therethrough.

36. The guard assembly of claim 30, wherein said front curtain includes an aperture for providing a sight line therethrough.

37. A table saw guard assembly for guarding the blade on a table saw, said guard assembly comprising:

a hood assembly; and

a support structure including a telescoping boom and a base structure, wherein said telescoping boom is adapted to support said hood assembly above the blade and said base structure is attached to the table saw;

said telescoping boom adapted to selectively position said hood assembly relative to the table saw.

38. The guard assembly of claim 37, wherein said base structure includes at least one adjustable telescoping arm.

39. The guard assembly of claim 37, wherein said base structure includes a rotational mechanism for rotating said base structure relative to the table saw.

40. The guard assembly of claim 39, wherein said rotational mechanism includes a wing nut for locking said base structure in a position.

41. The guard assembly of claim 37, wherein said hood assembly includes a mounting assembly for mounting said hood assembly to said telescoping boom.

42. The guard assembly of claim 41, wherein said mounting assembly includes a rotational coupling and a set screw.

43. The guard assembly of claim 37, wherein said telescoping arm includes a set screw for securing said telescoping arm in a position.